**Supplemental Table 1. Search Strategy Search Strategy**

We performed a systematic literature search in PubMed and Embase from January 1, 1960 to August 30, 2016. We identified additional articles by snowballing the citations of the included articles.

**MEDLINE/OVID**

1. \*Peripheral Nerve Injuries/

2. \*Brachial Plexus/

3. \*Evoked Potentials, Somatosensory/

4. \*Ulnar Nerve/

5. mononeuropathies/ or femoral neuropathy/ or median neuropathy/ or peroneal neuropathies/ or radial neuropathy/ or sciatic neuropathy/ or tibial neuropathy/ or ulnar neuropathies/

6. (injur$ adj3 (peripheral nerve or ulnar nerve or brachial plexus)).ab,hw,kf,kw,ot,sh,ti,tw,ui.

7. (neuropath$ adj3 (position related or position-related or ulnar or peripheral)).ab,hw,kf,kw,ot,sh,ti,tw,ui.

8. (SSEP or somatosensory evoked potential$ or neuromonitor$ or neuro monitor$).ab,hw,kf,kw,ot,sh,ti,tw,ui.

9. 3 or 8

10. 1 or 2 or 4 or 5 or 6 or 7

11. 9 and 10

**EMBASE**

1. (injur$ adj3 (peripheral nerve or ulnar nerve or brachial plexus)).ti,ot,sh,hw,ab,kw.

2. (neuropath$ adj3 (position related or position-related or ulnar or peripheral)).ti,ot,sh,hw,ab,kw.

3. 1 or 2

4. neuromonitoring.ti,ot,sh,hw,ab,kw.

5. (SSEP or somatosensory evoked potential$ or neuromonitor$ or neuro monitor$).ti,ot,sh,hw,ab,kw.

6. \*evoked somatosensory response/ or \*neuromonitoring/ or \*evoked response/

7. exp neuropathy/

8. \*brachial plexus/

9. \*ulnar nerve/

10. \*nerve injury/ or \*peripheral nerve injury/

11. 3 or 7 or 8 or 9 or 10

12. 4 or 5 or 6

13. 11 and 12

14. 13 and "human".sa\_suba.

15. intraoperative.ti,ot,sh,hw,ab,kw.

16. 14 and 15